

ABSTRACT

A multiple bi-directional input/output power control system
5 includes a network of functional blocks housed in a single
enclosure, providing DC power to one or more DC loads, and
providing control and internal pathways, sharing one or more AC
and/or DC power inputs. The system feeds back AC power from the
DC power source into an AC input connection, and the fed-back AC
10 power is shared by other AC loads. The system operates at least
one alternative source of DC in a dynamic manner, allowing
maximization of power generating capability at respective
specific operating conditions of the moment.

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